

WHAT IS CLAIMED IS:

1. A color image scanning and printing device comprising:
a scanning unit which scans an image of a plural number of pages;
a conversion unit performing a conversion process by converting a scanned result scanned by the scanning unit into image data of each of a plurality of color components for printing one page as a unit;
a printing unit which prints an image based on the converted image data of each of the color components; and
a control unit which executes the conversion process by the conversion unit for a part of the color components of the scanned result of the image of the plural number of pages, prior to the conversion process by the conversion unit for remaining color components.

2. The color image scanning and printing device according to claim 1, wherein the printing unit prints an image based on image data of two pages for each of the color components, and when the plurality of color components are four colors, a conversion process for two color components of the two pages is executed by the conversion unit prior to a conversion process for the remaining two color components of the two pages by the conversion unit, and the conversion process for the preceding two color components of a first page by the conversion unit is completed before the scanning unit scans an image of a second page.

3. The color image scanning and printing device according to claim 1, further comprising:

means for encoding the converted image data of each of the plurality of color components;

means for storing the image data encoded by the means for encoding;

and

means for decoding the encoded image data that is stored in the means for storing;

wherein the printing unit prints an image based on the decoded result of the means for decoding.

4. The color image scanning and printing device according to claim 2, further comprising:

means for encoding the converted image data of each of the plurality of color components;

means for storing the image data encoded by the means for encoding; and

means for decoding the encoded image data that is stored in the means for storing;

wherein the printing unit prints an image based on the decoded result of the means for decoding.

5. The color image scanning and printing device according to claim 1, wherein the control unit executes software functions according to stored computer programs.

6. The color image scanning and printing device according to claim 5, further comprising a read only memory to store the computer programs.

7. The color image scanning and printing device according to claim 1, wherein the scanning unit includes a charge coupled device.

8. The color image scanning and printing device according to claim 1, wherein the printing unit is an electro-photographic typed printing device.

9. The color image scanning and printing device according to claim 1, wherein the printing unit includes a photosensitive drum.

10. The color image scanning and printing device according to claim 1, further comprising a display unit to display an operation state of the device.

11. The color image scanning and printing device according to claim 10, wherein the display unit is liquid crystal display.

12. The color image scanning and printing device according to claim 10, wherein the display unit is a cathode ray tube.

13. A color image scanning and printing device comprising:
means for scanning an image of a plural number of pages;
means for performing a conversion process by converting a scanned result scanned by the means for scanning into image data of each of a plurality of color components for printing one page as a unit;

means for printing an image based on the converted image data of each of the color components; and

means for executing the conversion process by the means for performing a conversion process for a part of the color components of the scanned result of the image of the plural number of pages, prior to the conversion process by the means for performing a conversion for remaining color components.

14. A color image scanning and printing method comprising:
scanning an image of a plural number of pages;
performing a conversion process by converting the scanned image of a plural number of pages into image data of each of a plurality of color

components for printing one page as a unit;

printing an image based on the converted image data of each of the color components; and

executing the conversion process for a part of the color components of the scanned image of the plural number of pages, prior to the conversion process for remaining color components.

15. The color image scanning and printing method according to claim 14, further comprising printing an image based on image data of two pages for each of the color components.

16. The color image scanning and printing method according to claim 15, further comprising executing a conversion process for two color components of the two pages prior to a conversions process for the remaining two color components of the two pages when the plurality of color components are four colors.

17. The color image scanning and printing method according to claim 16, further comprising completing a conversion process for the preceding color components of a first page before scanning an image of a second page.

18. The color image scanning and printing method according to claim 14, further comprising encoding the converted image data of each of the plurality of color components.

19. The color image scanning and printing method according to claim 18, further comprising storing the encoded image data.

20. The color image scanning and printing method according to claim

19, further comprising decoding the stored encoded image data.